

WHAT IS CLAIMED IS:

1. A method for producing a sunshade for use with a sunroof of a vehicle, comprised of the following steps of:

5 cutting one side of a thermoplastic resin plate in a predetermined shape to create a base member of the sunshade;

heating said base member to a predetermined temperature;

10 overlapping an entire bottom surface of the heated base member with a surface material in a manner that one end portion of said surface material is extended from an end surface of said base member created in said cutting step;

15 pressure-forming said base member and said surface material overlapped with one another at the same time to create an integral molding;

wrapping said extended end portion of said surface material around said end surface of said base member of said integral mold; and

20 removing unwanted portions of the base member and the surface material from the integral molding by cutting three remaining sides of said integral molding to finalize the sunshade.

25 2. A method for producing a sunshade as defined in Claim 1, wherein said step of cutting said one side of said thermoplastic resin plate diagonally cuts said end surface so that a length of a bottom surface of said base member where the surface material is to be overlapped is longer than a top surface thereof, and wherein said step of pressure-forming bends a front portion of said base member having said end surface toward said top surface.

30 3. A method for producing a sunshade as defined in Claim 2, wherein said end surface diagonally cut in said cutting step becomes a flat surface after being bent toward said top surface after said pressure-forming step.

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4. A method for producing a sunshade as defined in Claim 2, wherein said step of wrapping said extended end portion of said surface material includes a step of bonding an end of said extended end portion to said top surface of said base member after wrapping said end surface of said base member.

5. A method for producing a sunshade as defined in Claim 1, further comprising a step of applying an adhesive between said base member and said surface material before the step of heating said base member.

6. A method for producing a sunshade as defined in Claim 1, further comprising a step of applying an adhesive film for heat welding on said base member before overlapping said surface material on said base member.

7. A sunshade production system for producing a sunshade for use with a sunroof of a vehicle, comprising:

a storage for storing a plurality of base members of the sunshades prepared by cutting a thermoplastic resin plate;

a heating chamber for heating said base member to a predetermined temperature;

a pressing machine for compressing surface material and said heated base member overlaid on said surface material at the same time;

a picking means for picking said base member stored in said storage one by one;

a positioning means for positioning said base member brought by said picking means at a predetermined position of the sunshade production system;

a retaining means for retaining both sides of said base member that has been positioned by said positioning means; and

a transferring means for sequentially transferring said base member retained by the retaining means to said heating chamber and to said pressing machine.

8. A sunshade production system as defined in Claim 7, wherein said base member created by cutting said thermoplastic resin plate has an end surface which is diagonally cut so that a length of a bottom surface of said base member where the surface material is to be overlapped is longer than a top surface thereof, and wherein said pressing machine bends a front portion of said base member having said end surface toward said top surface.

9. A sunshade production system as defined in Claim 8, wherein said end surface of said base member diagonally cut becomes a flat surface after being bent toward said top surface by said pressing machine.

10. A sunshade production system as defined in Claim 8, wherein an end of said extended end portion of said surface material is bonded to said top surface of said base member after wrapping said end surface of said base member.

11. A sunshade production system as defined in Claim 7, wherein an adhesive is applied between said base member and said surface material before said base member is heated in said heating chamber.

12. A sunshade production system as defined in Claim 7, wherein an adhesive film for heat welding is applied on said bottom surface of said base member before overlapping said surface material on said bottom surface.

13. A sunshade production system as defined in Claim 7, wherein said pressing machine includes a mold configured by an upper mold and a lower mold where said surface material is laid on said lower mold and said base member heated by said heating chamber is placed on said surface material before said upper mold and said lower mold compress said base member and said surface material.

14. A sunshade production system as defined in Claim 7, wherein said picking means includes means for picking said base member by moving in an up and down direction and

means for transferring said base member that has been picked-up to said positioning means.

5 15. A sunshade production system as defined in Claim 7, wherein said positioning means includes positioning pins to contact with said base member and a pressing means for pressing the base member toward said position pins, thereby positioning said base member between said positioning pins and said pressing means.

10 16. A sunshade production system as defined in Claim 7, wherein said positioning means includes positioning pins to contact with said base member and a pressing means for pressing the base member toward said position pins thereby positioning said base member between said positioning pins and said pressing means, and wherein said positioning pins
15 and said pressing means are movable in an up and down direction so that said base member is floated when being positioned by said positioning means.

20 17. A sunshade production system as defined in Claim 7, wherein said retainer includes chucks for holding said base member at its sides and actuators for driving said chucks to hold or release said base member.